Shashi Budati

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I am a passionate and detail-oriented **Full Stack Software Engineer**, excited about learning and incubating new technologies. I am looking to obtain a position where I can work on challenging and impactful projects.

Work Experience

- Experienced in gathering and solutioning requirements, building services from scratch, reviewing code, setting up pipelines to meet quality-gates, managing deployments and configuration, handling release cadence, providing technical support, etc in agile environments.
- Experienced in working between teams effectively, mentoring and delegating projects to associate developers.

SDE II, Engineering @ Setu, Bangalore   **Current**
Lending
- Building a standardized, secure lending platform for Bharat. A marketplace for lenders with 0-integration, complete journeys including lead generation, financial statement analysis, KYC, eSign workflows, registering eNACHs, etc to loan disbursals.
- Building digital experiences for FinTech use-cases, initially using WhatsApp bots as a channel.

Member Technical Staff @ Zoho Corporation (ManageEngine Division), Chennai
Directly-Responsible-Individual for integrating Threat-Intelligence into existing log product features such as reports, alerts, and compliance.
Log360Cloud   **Feb 2019 – May 2021**
- Threat Analytics – Built a system comprising a Cassandra cluster storing IP/URL reputation data (can be eventually-consistent), and a worker service to analyze uploaded logs using that data.

EventLog Analyzer, **Log360** (On-premises)   **Jan 2018 - Current**
- Benchmarked different data-stores performances for inserting and searching millions of IP ranges. Enhanced product efficiency by using MapDB's off-heap navigable data-structures, supporting real-time event-log processing.
- Added integration support for STIX/TAXII servers, and used the polled feeds for generating threat intelligence reports and alerts. Adding offline agent-based distribution support to comply with network firewall requirements of our customers.
- Built a HadoopDFS-based service to integrate and store third-party feeds, and re-distribute them to authenticated on-premises clients and internal micro-services.

SharePoint Manager Plus   **Jun – Dec 2017**
- Archive File Search – Archived older data into scalable full-text search engine (Lucene) to provide Business intelligence reports without the performance issues of a single-shard embedded database. Handled sharding, concurrency, etc to support Solr / ElasticSearch features in the on-premises setup.

Personal Projects

Navigable Stick for the blind   **Dec 2015 - May 2016**
- Designed a walking stick giving directional haptic feedback for guiding navigation. Developed an Android application using Google Maps API, which can take voice commands to start navigation. The stick's MicroProcessor transmits Gyroscopic sensor information to the application to coordinate directions.
- Presented the application at JHub Excite Workshop 2016

Education

Computer Science and Engineering @ **JNTUH-CES**   **2013-2017**

3D Modelling using Android   **July - Dec 2016**

- Developed an Android application providing small range (non-aerial) 3D mesh model in OpenGL, from camera feeds of mobiles in WiFi-P2P network, using Computer Vision and PhotoGrammetry techniques.

Quality-of-Experience Attribute Mining, using Natural Language Processing techniques   **Jan - May 2017**

- Developed a Python application providing a quantified score for online reviews, by crawling and processing them using Natural Language Tool Kit - NLTK for Python. The quantified scores could then be used for automation and better user experience.

Knowledge Areas

- Languages - Python, JavaScript, Java
- Data structures
- **ZOHO Cloud Framework** – Worked on Zoho services, handling both infra and application development
- **AWS** platform – Worked with EC2, ECS (Docker), S3, etc
    - Created analytics pipeline using Glue, Athena, Redash, Grafana
- NodeJS platform
    - Single Page Web Applications, Front-end MVVM frameworks - Ember, Vue.js, React.js
- Data Models and their Object Mappings
    - RDMBS - Worked with PostgreSQL, MySQL, and with JPA using Hibernate
    - Full-text - Lucene, ElasticSearch
    - Navigable Maps using MapDB
    - Serialization using Kryo
- Webservers, Reverse Proxies - Tomcat, NginX, Caddy
- Cyber Threat Intelligence - STIX / TAXII
- Concurrent/Distributed systems, Hadoop DFS
- Caching Layer using Redis
- Cassandra for setting up a scalable and highly-available store